

Listing of Claims:

1 to 7 (Cancelled)

8. (New) Polypropylene fiber for cement reinforcement, comprising:

fibers spun out of polypropylene resin, said fibers having undergone a surface modification treatment selected between oxidation treatment and fluorination treatment so that a fiber surface has an index of wetting of 38 dyn/cm or more.

9. (New) Polypropylene fibers for cement reinforcement, comprising:

monofilament spun out of polypropylene resin, said monofilament having single yarn fineness of 200 dt or more with irregularities on their surfaces, and having undergone a surface modification treatment selected between oxidation treatment and fluorination treatment so that a monofilament surface has an index of wetting of 38 dyn/cm or more.

10. (New) Polypropylene fibers for cement reinforcement of claim 8,

wherein the oxidation treatment is selected between corona discharge treatment and plasma treatment so that a fiber surface has an index of wetting within the range of 40 to 90 dyn/cm after the treatment.

11. (New) Polypropylene fibers for cement reinforcement of claim 8,

wherein the fluorination treatment is conducted under fluorine gas in a concentration within the range of 5 to 40 % by volume so that a fiber surface has an index of wetting within the

range of 50 to 90 dyn/cm after the treatment.

12. (New) Molded cement, comprising:

cement composition having an adequate amount of polypropylene fiber of claim 8 added to mortar mixture including cement, fine aggregate and water.

13. (New) Method of constructing concrete structure which comprises mixing a fixed amount of polypropylene fiber of claim 9 to concrete mixture including cement, fine aggregate, rough aggregate and water.

14. (New) Method of spray concreting which comprises mixing an adequate amount of polypropylene fiber of claim 9 to concrete mixture including cement, fine aggregate, rough aggregate and water, spraying the mixture on a formation surface in a fixed thickness.

15. (New) Polypropylene fibers for cement reinforcement of claim 9,
wherein the oxidation treatment is selected between corona discharge treatment and plasma treatment so that a fiber surface has an index of wetting within the range of 40 to 90 dyn/cm after the treatment.

16. (New) Polypropylene fibers for cement reinforcement of claim 9,
wherein the fluorination treatment is conducted under fluorine gas in a concentration within the range of 5 to 40 % by volume so that a fiber surface has an index of wetting within the

range of 50 to 90 dyn/cm after the treatment.